# BETTER CROPS WI

## *The Pocket Book*

## TABLE OF CONTENTS


JANUARY 1957

Edifying Arguments ..... *Jeff McDermid* 3
Long-Range Outlook for Agriculture. . . GOOD! ..... *E. T. York, Jr.* 8
Better Soil—Better Feed, Part II—Adequate Fertilization Improves Feeding Value of Forages and Sometimes Grains ..... *W. B. Nevens and E. B. Earley* 20
Soil Compaction Pattern Produced by Tillage ..... *C. L. W. Swanson* 33
The Hands That Hold Higher Yielding Soil ..... *H. B. Vanderford* 36
The Factories That Feed Us ..... *Edwin J. Benne* 46

FEBRUARY 1957

A Potomac Pleasance ..... *Jeff McDermid* 3
Potash Fertilizers and Their Behavior ..... *Werner L. Nelson* 10
Variation in Composition of Pecan Leaves ..... *J. H. Hunter and H. E. Hammar* 18
Fertilizing Pangolagrass and White Clover on Rex Fine Sand ..... *William G. Blue and Nathan Gammon, Jr.* 36
Soil Testing Via County Laboratories ..... *William A. Seay and George D. Corder* 42

MARCH 1957

Forward March ..... *Jeff McDermid* 3
Sound Fertilizing Equals Economical Crop Production *P. J. Bergeaux and Ralph L. Wehunt* 8
A System for Recording Soil Fertility Data ..... *J. F. Davis* 20
Lime. . . Its Placement and Penetration in Soils ..... *B. A. Brown* 32
Peanut Farmer Uses Findings to Produce Prize Crop ..... *B. E. Grant* 40
Science at Work for the Farmer ..... *Anthony Dell* 44

APRIL 1957

Easter Inspiration ..... *Jeff McDermid* 3
Camellia. . . the Bush of Beauty ..... *Henry J. Smith* 8
Lime Survey Discovers Striking Needs ..... *John Falloon* 16
Grassland—Green Pulse of New Zealand ..... *R. E. Wagner* 22
Soil Testing—A Guide to Fertilizer and Lime Needs ..... *Clarence M. Wilson* 30
Modern Plant Food Affects Ladino Clover, Its Yield & Persistence ..... *R. C. Wakefield* 34

MAY 1957

Turn Over a New Leaf ..... *Jeff McDermid* 3
Taking Guesswork Out of Fertility ..... *James H. Eakin, Jr.* 8
Azaleas. . . the Glory of Spring ..... *Henry J. Smith* 14
Building Tomato Yields Through Deep-rooted Legumes and Fertilizer Treatment ..... *E. Reeve, R. M. Mroch, R. W. Backes, and R. D. Peel* 26
Fertilizer and Starter Solutions Affect Sweet Potatoes in South Cental Texas ..... *D. R. Paterson and J. M. Coruthers* 36

# BETTER CROPS WI

## *The Pocket Book*

## TABLE OF CONTENTS


JANUARY 1957

Edifying Arguments ..... *Jeff McDermid* 3
Long-Range Outlook for Agriculture. . . GOOD! ..... *E. T. York, Jr.* 8
Better Soil—Better Feed, Part II—Adequate Fertilization Improves Feeding Value of Forages and Sometimes Grains ..... *W. B. Nevens and E. B. Earley* 20
Soil Compaction Pattern Produced by Tillage ..... *C. L. W. Swanson* 33
The Hands That Hold Higher Yielding Soil ..... *H. B. Vanderford* 36
The Factories That Feed Us ..... *Edwin J. Benne* 46

FEBRUARY 1957

A Potomac Pleasance ..... *Jeff McDermid* 3
Potash Fertilizers and Their Behavior ..... *Werner L. Nelson* 10
Variation in Composition of Pecan Leaves ..... *J. H. Hunter and H. E. Hammar* 18
Fertilizing Pangolagrass and White Clover on Rex Fine Sand ..... *William G. Blue and Nathan Gammon, Jr.* 36
Soil Testing Via County Laboratories ..... *William A. Seay and George D. Corder* 42

MARCH 1957

Forward March ..... *Jeff McDermid* 3
Sound Fertilizing Equals Economical Crop Production *P. J. Bergeaux and Ralph L. Wehunt* 8
A System for Recording Soil Fertility Data ..... *J. F. Davis* 20
Lime. . . Its Placement and Penetration in Soils ..... *B. A. Brown* 32
Peanut Farmer Uses Findings to Produce Prize Crop ..... *B. E. Grant* 40
Science at Work for the Farmer ..... *Anthony Dell* 44

APRIL 1957

Easter Inspiration ..... *Jeff McDermid* 3
Camellia. . . the Bush of Beauty ..... *Henry J. Smith* 8
Lime Survey Discovers Striking Needs ..... *John Falloon* 16
Grassland—Green Pulse of New Zealand ..... *R. E. Wagner* 22
Soil Testing—A Guide to Fertilizer and Lime Needs ..... *Clarence M. Wilson* 30
Modern Plant Food Affects Ladino Clover, Its Yield & Persistence ..... *R. C. Wakefield* 34

MAY 1957

Turn Over a New Leaf ..... *Jeff McDermid* 3
Taking Guesswork Out of Fertility ..... *James H. Eakin, Jr.* 8
Azaleas. . . the Glory of Spring ..... *Henry J. Smith* 14
Building Tomato Yields Through Deep-rooted Legumes and Fertilizer Treatment ..... *E. Reeve, R. M. Mroch, R. W. Backes, and R. D. Peel* 26
Fertilizer and Starter Solutions Affect Sweet Potatoes in South Cental Texas ..... *D. R. Paterson and J. M. Coruthers* 36

# ITH PLANT FOOD

## ook of Agriculture

### January 1957 to December 1957

JUNE-JULY 1957


It's Placement That Counts ... *Jeff McDermid* 3
Proper Placement Begins to Rank With Proper Amounts In the Minds of Today's Farmers ... *S. L. Tisdale* 8
Fertilizer Placement for Better Crops ... *R. L. Cook* 14
Certain Principles for Getting Effective Nutrient Use from Fertilizer Bands ... *A. J. Ohlrogge, M. H. Miller, and W. G. Duncan* 26
Improper Placement Limits Crop Stands ... *D. P. Satchell* 32


AUGUST-SEPTEMBER 1957


Pedagogues of the Plow ... *Jeff McDermid* 3
Soil Tests Spotlight Turf Needs ... *W. H. Daniel* 8
Why Grow Alfalfa? ... *S. H. Dobson and W. W. Woodhouse, Jr.* 16
Georgia Grazing System and Feed Production Program ... *J. R. Johnson* 26
Potash and Soap Ashes ... *J. Paul Hudson* 30
Increase Ladino Clover by Timing Your Potash Use ... *B. A. Brown* 38


OCTOBER 1957


Dakota Homestead ... *Jeff McDermid* 3
Diagnosing Fruit Needs ... *E. G. Fisher, D. Boynton, and J. D. Kirkpatrick* 8
Growing Interest in Pine Tree Fertilization ... *Howard Parker* 15
Fall Fertilizing Pays Off ... *C. J. Chapman* 16
Using Soil Test Summaries ... *W. F. Bennett and J. J. Hanway* 26
Give Johnsongrass a Break... FERTILIZE IT ... *C. Dale Hoover* 32
Salts of the Earth ... *Erwin J. Benne* 38


NOVEMBER 1957


Officers in Overalls ... *Jeff McDermid* 3
Fertilizer Consumption Trends ... *A. L. Mehring* 8
Key to Long-Life Ladino ... *Glen M. Wood* 16
In the Age of Agronomy ... *Santford Martin* 24
How to Use Fertilizers Profitably ... *D. A. Hinkle* 30
Takes Good Production Practices to be Top Tomato Grower ... *E. C. Wittmeyer* 34


DECEMBER 1957


Rescue the Obscure ... *Jeff McDermid* 3
Consider Plant Food Content of Your Crops ... *J. D. Romaine* 8
How to Grow Alfalfa-Orchardgrass Mixture ... *R. D. Sears and R. E. Blaser* 16
Are We Losing Another Race to the Russians? ... *E. T. York, Jr.* 24
Mint Grown on Organic Soils ... *J. F. Davis, R. E. Lucas, and L. N. Shepherd* 28
Southern Alluvial Plain ... *H. B. Vanderford* 38